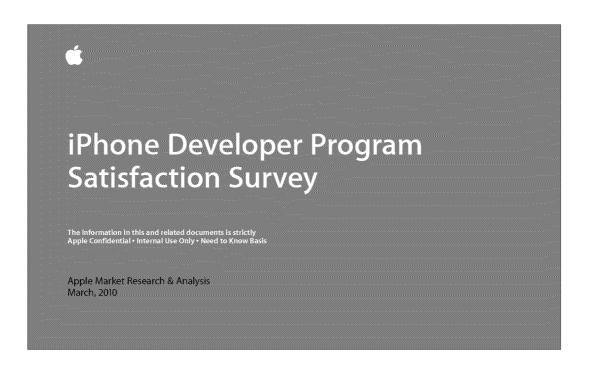


United States District Court
Northern District of California

Case No. 4:20-cv-05640-YGR
Case Title Epic Games, Inc. v. Apple, Inc.
Exhibit No. DX-3877
Date Entered

Susan Y. Soong, Clerk
By: ______, Deputy Clerk



Why this report?

Purpose: To measure satisfaction with the iPhone Developer Program (iDP) in order to provide the ADC team with recommendations on how to improve it

Key areas include:

- Overall satisfaction
- Importance of specific aspects of the iDP
- Satisfaction and reasons for dissatisfaction with specific iDP aspects
- Aspects of the iDP that have impeded app development/ distribution
- Satisfaction with other mobile platforms' developer programs
- Developer profiles

Understanding iDP developers

Collect

Online surveys among iDP developers in the US, UK, France, Germany, and Japan

Measure

Most important aspects of the iDP

Satisfaction overall and with specific elements of the iDP

Membership and satisfaction with other programs

Profile

Developers with apps on the store and those without

Examine

Areas of dissatisfaction and impediments for successfully submitting apps

Suggestions for improvement

Method: Developers were randomly selected from the Developer Database and invited to participate in a 15-minute Web survey. We conducted our research among a representative sample for both those who have successfully published Apps on the store and those who have not. Apple Market Research developed the questionnaire and used Chadwick Martin Bailey, an independent market research firm, to field the survey and tabulate results.

Statistical testing was conducted at a 95% confidence interval between developer groups (Apps vs. No apps). If data reported for one group is higher than the corresponding group for the same country, it is indicated with a upward arrow.

The term 'top-2 box' means the total percentage of the top 2 boxes of a 5-point scale.

A

Key Conclusions

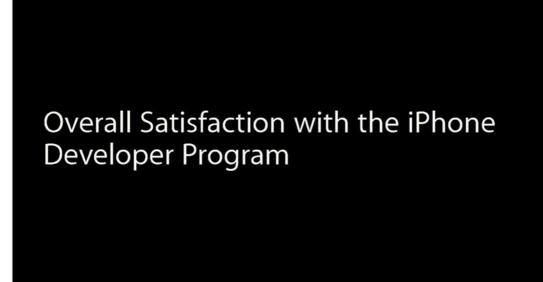
- Most developers are generally satisfied with iDP, but 12-25% are dissatisfied
- Members in Japan and Germany and those with no approved apps are slightly less satisfied with iDP
- · App visibility in the App Store is the area of most dissatisfaction
- Some specific complaints include: "too general" categories, search problems, and allowing too many "spam" apps in the store
- The App review process is also problematic for many, and it is the biggest deterrent for successfully developing and distributing iPhone/ iPod Touch applications
- Developers complain roughly equally about the time it takes to hear back from the app review team, unclear criteria for rejection, and lack of responsiveness

Key Conclusions

- · While most developers were satisfied with the rest of the aspects of the iDP, other common complaints include (in decreasing order of mentions):
 - Many developers would like Apple to eliminate the store-specific purchase quotas (\$150), and simplify financial reporting in the website
 - Those dissatisfied with the application submission process find the legal requirements and documentation too daunting, confusing or time-consuming
- Some have difficulty creating certificates and profiles
- Although members are generally satisfied with the development resources on the website, many are clamoring for more sample code -- and more relevant sample code-- that is more easily searchable (and integrated with the iPhone reference library)
- Overall satisfaction with the enrollment process is generally high, but some didn't think the fee was
 recurring, and others complained about the time it took
- Beginner developers find the SDK too complex, and many want integration across the SDK tools

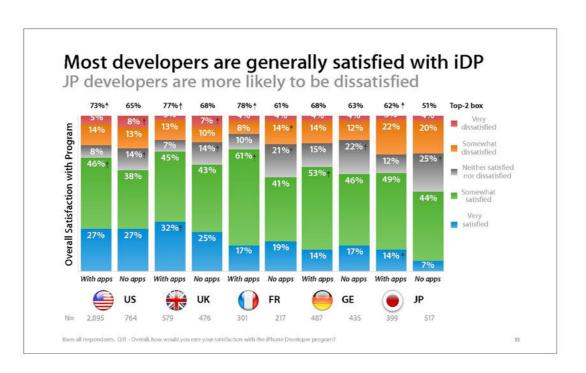
Key Conclusions

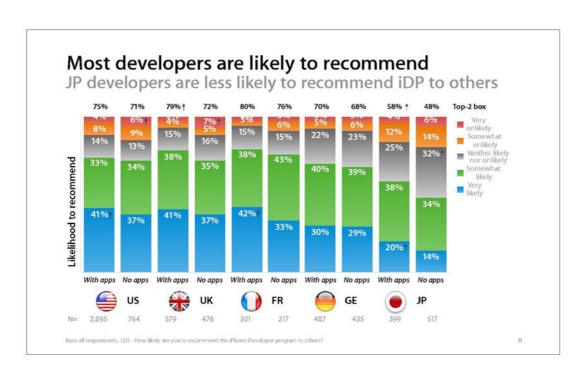
- · A quarter of iPhone developers also develop for Android, and are generally satisfied with the experience
- They value how Android makes it easy to develop, test and distribute, and they like the robust API.
 Some find the range of devices, and the platform itself, a bit chaotic, however.
- · Developers highly value WMDC for its documentation, but dislike their store and Windows in general
- · Developers feel that the Blackberry mobile community and the app store lacks support and clear documentation

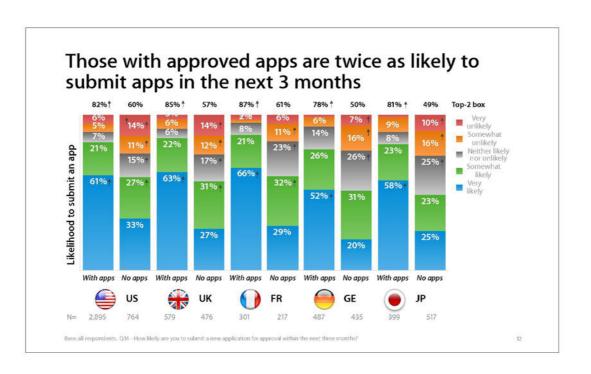


Most developers are generally satisfied with iDP, but 12-25% are dissatisfied

Members in Japan and Germany and those with no approved apps are slightly less satisfied with iDP









Apart from Xcode, those with approved apps are most concerned with the visibility of their app on the App Store and the duration of the review process

Those without apps are concerned with Xcode, while those with apps also care about visibility GE With Apps No Apps 71% 58% 71% 67% 58% 66% 1 66% 65% 65% 52% 23% Visibility of app on App Store 50% 1 20% 36% † 18% 46% 42% 20% 40% + 13% 28% † 15% 38% + 19% 22% * 7% 37% 49% 1 38% 51% † 40% 47% 38% 46% t 27% 33% 1 Sample Code 37% 53% 1 34% 53% 1 44% 51% 41% 49% 1 41% 53% 1 34% 44% 1 50% † 30% 40%1 34% 45% t 48% t 31% 33% Time it takes to get updates 30% † 12% 30% 1 11% 21% † 11% 12% 1 8% 18% 7% available on App Store Clarity of feedback from app 16% 24% 13% 15% 11% 16% 20% 10% review team Responsiveness to inquiries 26%† 13% 22% 1 12% 16% 1 9% 17% 1 17% 1 from app review team Downloads and sales reports 20% 1 3% 21% 1 3% 28% 1 3% 24% * 22% 1 9%

33% 1

18%

34%1

17%

32% 1

19%

27% 1

35% 1

Base: all respondents. Q16 - What are the five most important aspects of the iPhone Developer Program for you?

20%

Interface Builder

17%

Developer forums are more important to those who do not have approved apps GE With Apps No Apps 27%+ 14% 1 29% 17% 15% 24% 20% 30%+ 7% **Developer Forums** Timeliness of receiving 13% 1 10% 16% 1 11% 1 Ease of submitting binary 17% + 5% 9% 6% 20% † 12% 13% 1 7% 10% 1 12% 9% 13% 8% 12%+ 9% 12% 14% 12% 13% Ease of submitting metadata 8% 1 3% 10% 1 1% 13% † 3% 11% 1 2% 10% 1 2% Accuracy of payments 4% 7% 1 4% 7% t 1% 11% 1 6% 15% 1 8% 11% 1 6% 11% 1 8% 17% 1 8% 10% 10% 15% t Ease of creating certificates Process of receiving 2% 2% 7% 1 2% 7% 1 2% 13% 1 7% 8% 1 5% 7% 4% 10% 1 3% 7% 1 10% 15% f Ease of creating profiles 5% 16%1 4% 15% 1 15% 32%1 10% 20% 1 20% 27%1 Ease of enrollment process 5% 15%† 8% 14% 1 9% 16% 1 13% † 3% 4% Base: all respondents. Q16 - What are the five most important aspects of the iPhone Developer Program for you?

JP developers place more importance on assistance with tax forms, banking and contracts US GE With Apps No Apps N= Responsiveness to inquiries 4% 6% 1 4% 7% 1 7% 8% 4% 8% 1 12% 11% 3% 8% 1 3% 9% 1 2% 7% 1 3% 13%1 4% 6% Ease of managing devices 18% 19% 6% 14% 17% 6% 1 3% 5% 1% **Getting Started Videos** Clarity of feedback from the 6% 1 3% 4% 3% 2% 5% 7% 11% 12% enrollment team Setting up tax form/banking 2% 4% 6% t 2% 2% 13% 19%1 5% 5% 1 4% 7% 4% 8% 3% + 3% 3% 4% 1% 3% t 2% 4% 1% 1% 1% 2% 3% 2% 2% 13% 18%1 Ease of managing contracts Explanation of program 7% [†] 1% 1% 9% 1 4% 4% † 6% 1 8% 1% 2% benefits before enrolling Identity verification process 1% 3% 1 1% 6% 1 2% 4% 1% 4% 1 1% 9% 1 Base: all respondents. Q16 - What are the five most important aspects of the iPhone Developer Program for you?

Satisfaction and Reasons for Dissatisfaction with Specific Aspects of the iPhone Developer Program

App visibility in the App Store is the area of most dissatisfaction; followed by the time it takes to get updates on the store and the App review process

Conversely, developers are generally pleased with the SDK and development tools

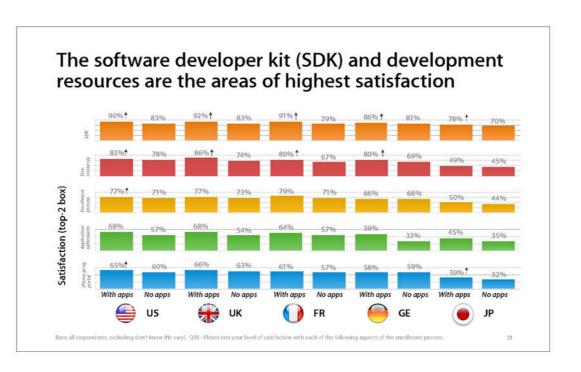
When asked how to make the program better, developers prioritized improving the app review process (particularly those with no apps in the store)

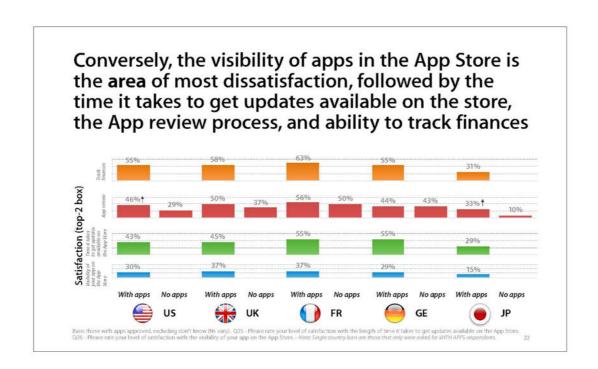
Top mentions	96		96
More transparent/consistent rules/processes/ rejection reasons for application review	17%	Simplify provisioning profiles	5%
Faster response from application review team	11%	Allow distribution separate from the AppStore/Ease enterprise distribution requirements/Open platform/ Less Apple control	4%
SDKs: provide more sample code; reorganize/ simplify/update documentation; keep documentation current with SDK/reduce download sizes	8%	Reduce/eliminate \$99 fee; make \$99 fee one time only	4%
Simplify certificate management	8%	Improve financial/analytical reporting features in iTunes Connect	4%
AppStore: improve ratings system/more visibility for small apps/get rid of app spam/expanded categories	7%	Improve design/functionality of iTunes Connect website	4%
Localize: documentation/interfaces/websites/ certificates	6%	Expand APIs, including private ones	4%
More communication during review process	6%	Simplify entire process	3%
More accessible/localized/faster/responsive support; more phone support	5%	Ability to respond to/manage/correct reviews	2%
More/better training tools/tutorials	5%	Better promotion of my app	2%

Other mentions (1%), Improve payment process and fix tax issues, provide hardware discounts, make availability pier-efease hardware, Improve 4d Hoc distribution.

Other mentions (1%), Improve testing procedures, prioritize processing for emergencies and updates, issues/bugs with Xcode, clarify error messages, drop/ease up on NDAs, ability to delete Apple IDs, issues with release dates, enable PromoCodes to work in any country allow multitasking.

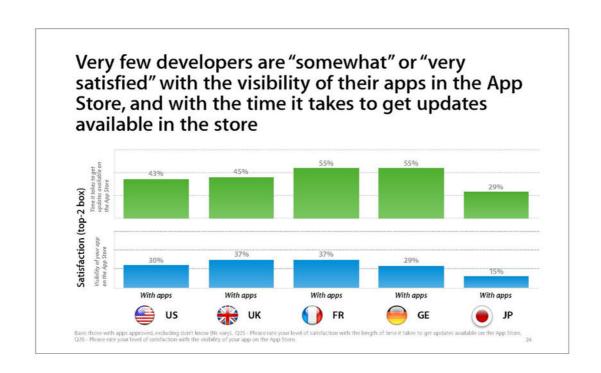
Base; all respondents. Q13 - What one thing could Apple do to make the iPhone Developer Program better? (reporting N>20)

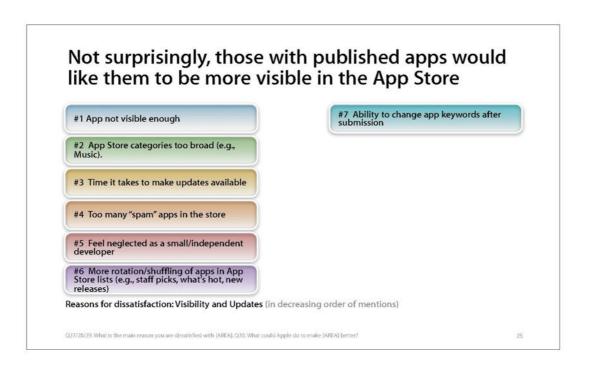




Most developers are not satisfied with the visibility of their App on the App Store

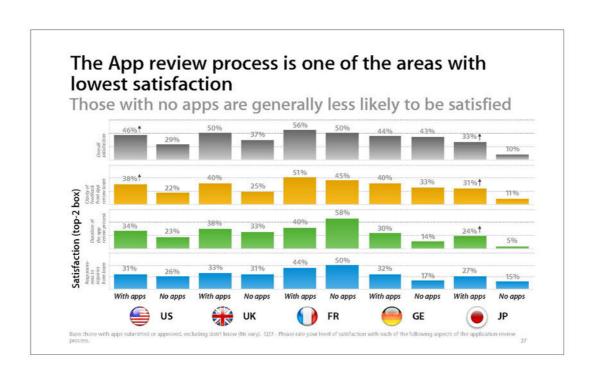
Some specific complaints include: "too general" categories, search problems, and allowing too many "spam" apps in the store

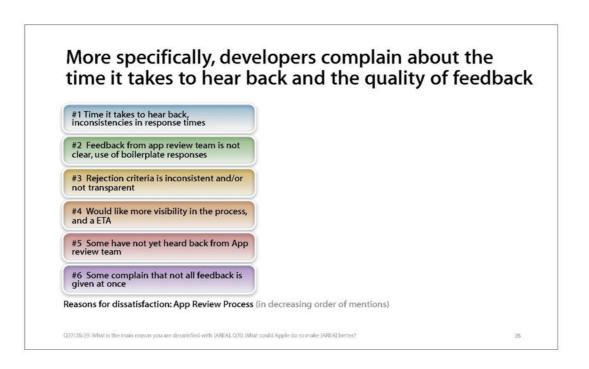




Many are dissatisfied with the App review process, particularly those that have not published any apps

Developers complain roughly equally about the time it takes to hear back from the app review team, unclear criteria for rejection and lack of responsiveness





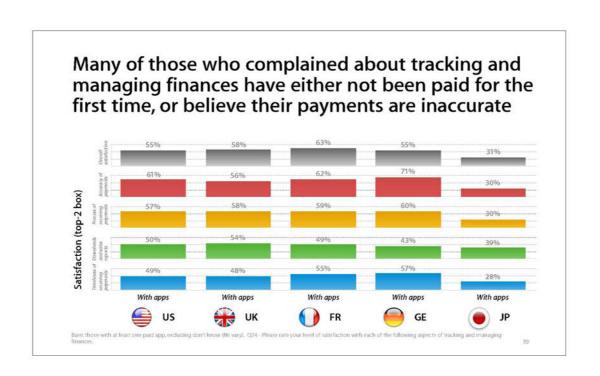
HIGHLY CONFIDENTIAL - ATTORNEYS' EYES ONLY

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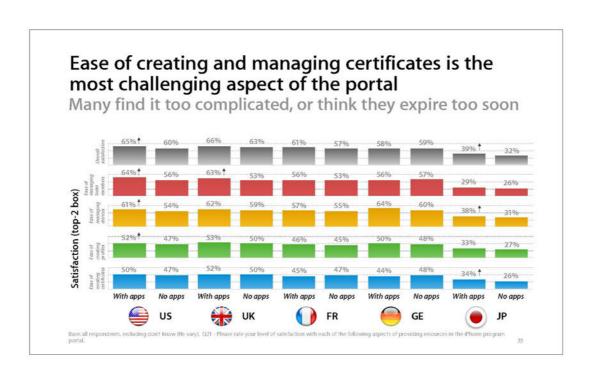
Many developers would like Apple to eliminate the store-specific purchase quotas (\$150)

Others would like simpler financial reporting tools in the portal



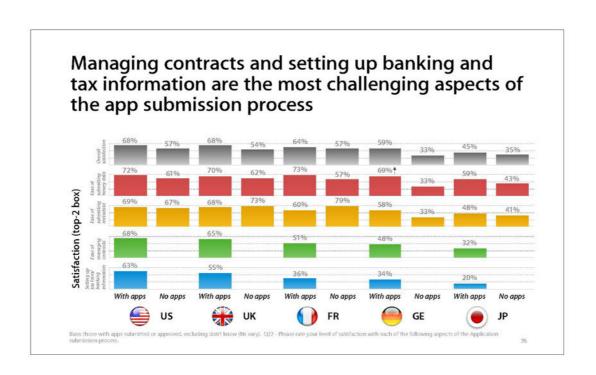


Most developers are satisfied with the iPhone program portal; however, some have difficulty creating certificates and profiles



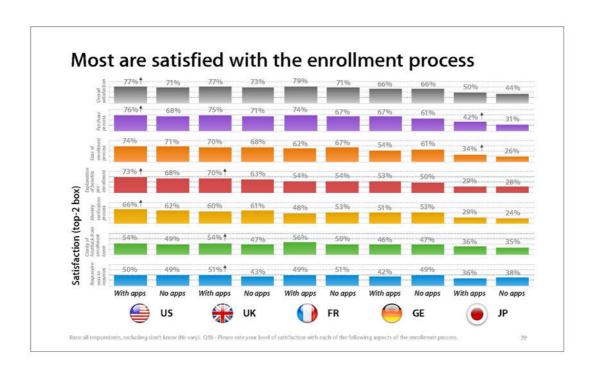


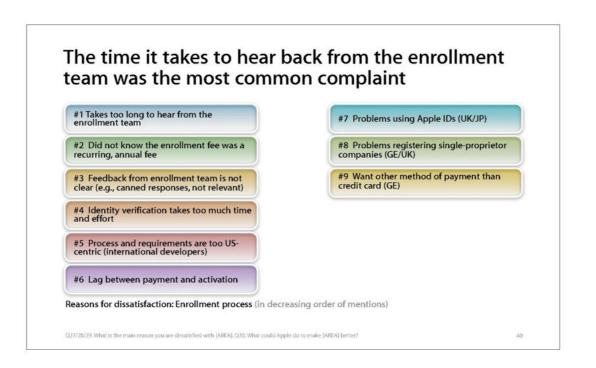
Those dissatisfied with the application submission process find the legal requirements and documentation too daunting, confusing or time-consuming (this is more common for Non-English developers)



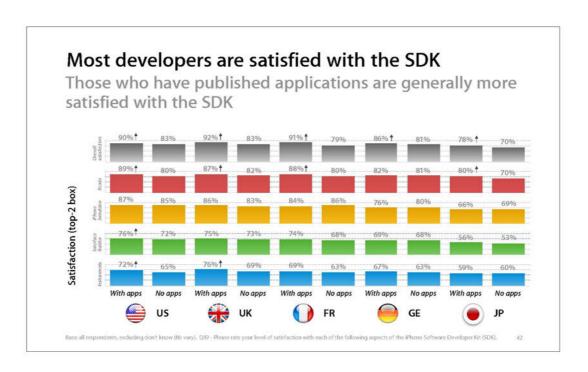


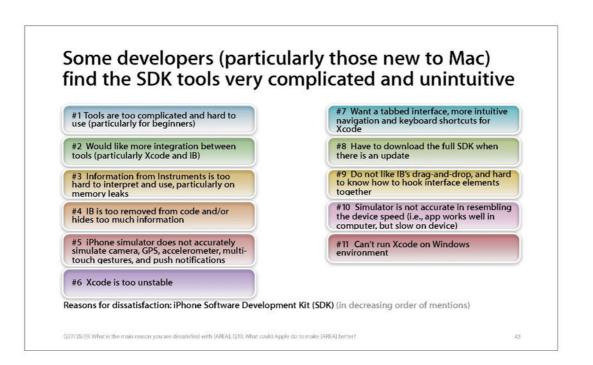
Overall satisfaction with the enrollment process is generally high, but some didn't think the fee was recurring and others complained about the time it took



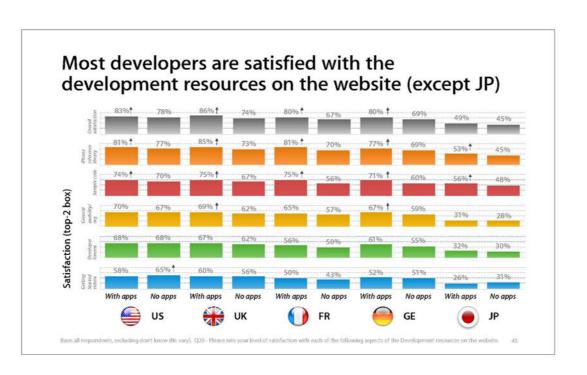


General satisfaction with the iPhone SDK is very high, but beginner developers find it too complex, and many want integration across the SDK tools





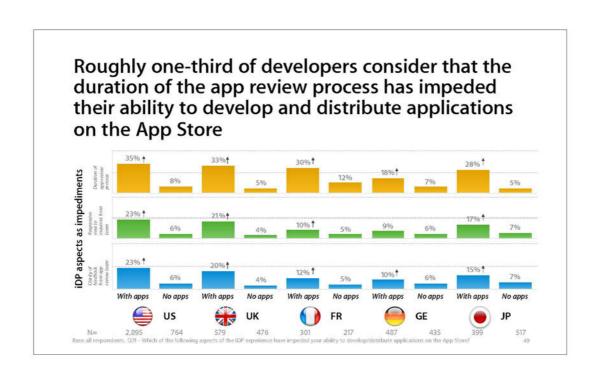
Although members are generally satisfied with the development resources on the website, many are clamoring for more sample code -- and more relevant sample code-- that is more easily searchable (and integrated with the iPhone reference library)

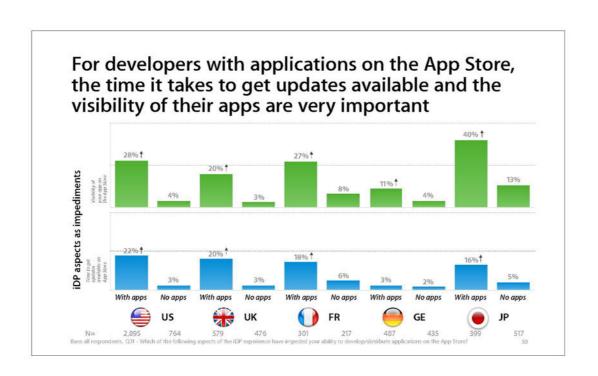


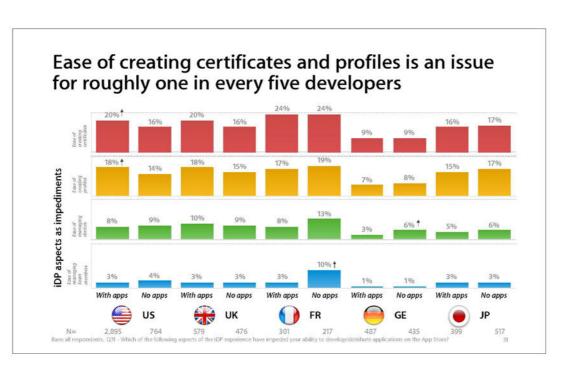


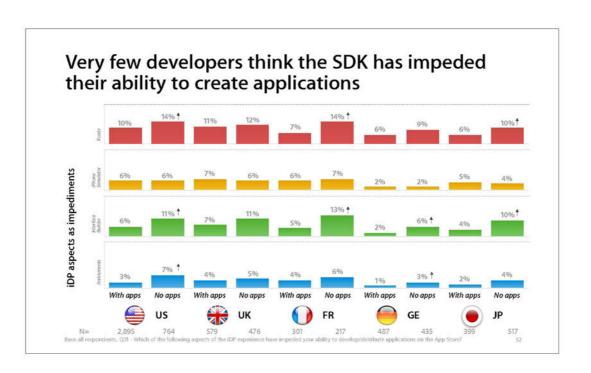


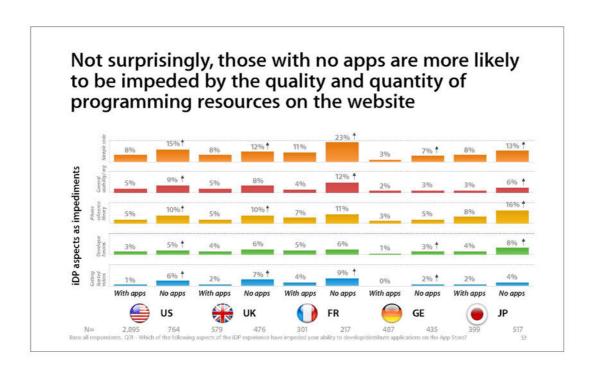
The App review process, and in particular, its duration, is the biggest deterrent for successfully developing and distributing iPhone/ iPod Touch applications

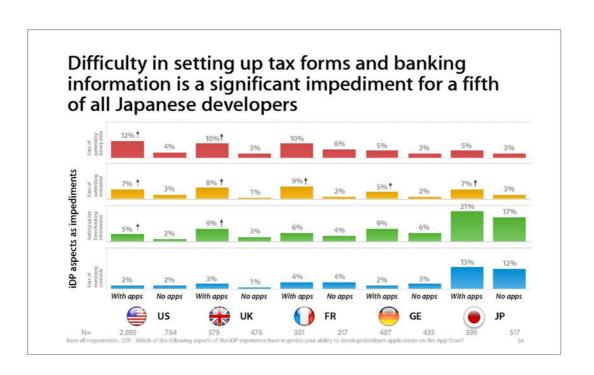


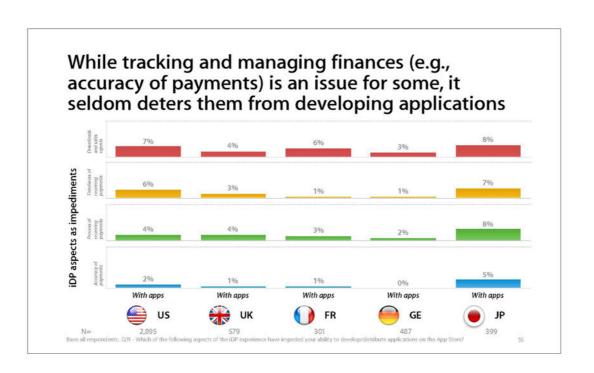


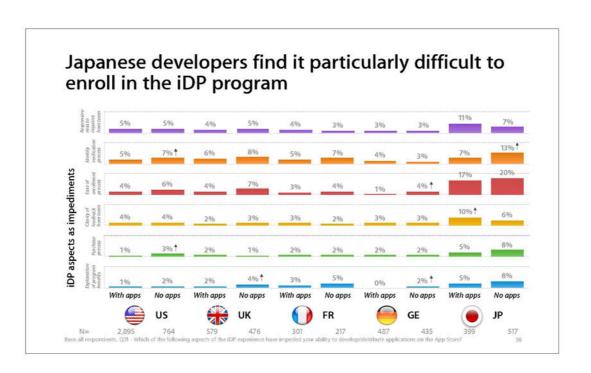


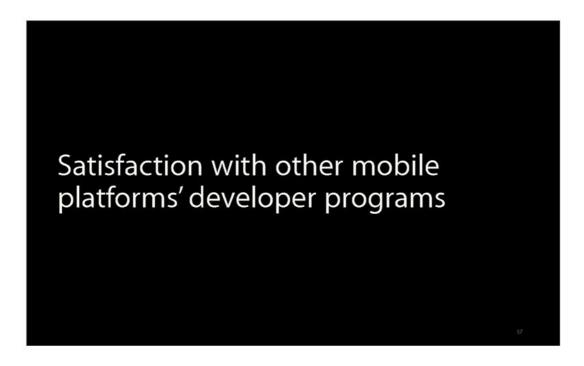








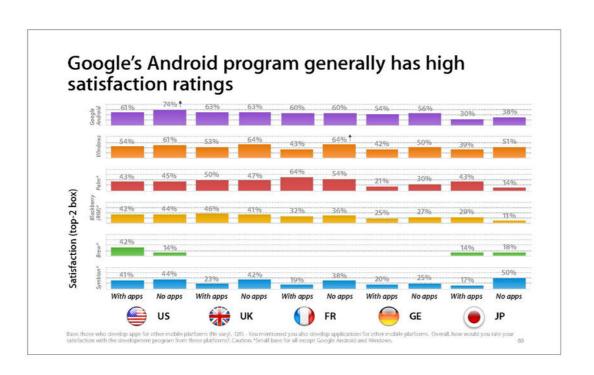




A quarter of iPhone developers also develop for Android, and are generally satisfied with the experience. They value how Android makes it easy to develop, test and distribute, and they like the robust API.

Some find the range of devices, and the platform itself a bit chaotic, however.

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	_			•			_			
		US	V N	UK		FR		GE		JP
N=	With Apps 2895	No Apps 764	With Apps 579	No Apps 476	With Apps 301	No Apps 217	With Apps 487	No Apps 435	With Apps 399	No Apps 517
Google Android	26% †	20%	24%†	17%	31% †	20%	21%	17%	26%	25%
Windows	13%	22% *	20%	23%	18%	23%	14%	18%	20%	31% †
Blackberry (RIM)	9% †	6%	9% †	5%	11% †	5%	6%†	3%	2%	2%
Palm	7%	6%	5%	4%	5%	6%	6%†	2%	3%	3%
Symbian	3%	2%	10%†	5%	9% †	4%	6%	5%	6% †	2%
Brew	2%	1%	1%	1%	1%	1%	0%	0%	7%	6%
Other	4%	7% ↑	9%	7%	9%	7%	7%	9%	10%	9%
None	63%	60%	61%	62%	57%	60%	65%	64%	57%†	48%



Interestingly, not having an application review process is a pro for some, and a con for others

Google Android

Reasons for satisfaction...

No application review process—easy process

"Easy of development. No hoops to jump through to get to the API docs, community forums, blog, etc.

"Simple submission, update process"

"Easy to deploy apps for testing, evaluation, etc."

"Simple setup of developing environment - No license required for device tests."

Free and open source

"- Free - Open Source - No approval process - Mightier API (Camera access etc)."

"Because it is open source and the phone is not tied to a single service with contractual obligations."

Flexible

"- open architecture - supports development on non-Mac OS X machines (it would be great if Xcode was available for Ubuntu/Linux -- for iPhone/iPad/iPad development)."

Inexpensive

"- price of entry tickets is very low (don't have to buy a mac just for coding) a lot of freedom of development and display of applications."

Rich API

"A rich APL"

Reasons for dissatisfaction...

All over the place

"Not so much the program as the multitude of devices have different requirements and feature sets, which means a lot of extra time is required for (especially) graphic and UI development."

"Varying screen sizes and phones. more complicated than iPhone development."
"Android involves more technical expertise. Documentation is all over the place. Too many version changes."

Dislike Java

"Java development environment is terrible, not as broad of a reach or as good APIs as Apple's program."

No app review process

"1. No review process. Yes, it's easier on the developer but it's detrimental to the whole ecosystem. 2. Various screen resolutions. 3. Lack of documentation."

Poor visibility

"Android market apps have very poor visibility. Google doesn't do any marketing for Android apps. The Android Market interface is not so user friendly."

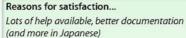
Base, those who develop with Google Android, excluding non-members, N=1574. Q15A/B - What are the main reasons you are satisfied/dissatisfied with the [PLATFORM] development program?

Developers highly value WMDC for its documentation, but dislike the store and Windows in general

They also feel that the Blackberry mobile developer community and app store lacks support and clear documentation

Those that like the Windows Mobile developer program cite good documentation

Windows



"A lot of books for development

approval process

"a lot of demos and tutorials"

"Better tool support, clearly better documentation available"

"Better documentation and more reliable development environment"

Open market/collaboration, more flexible, no

"A more open market (I can sell the products on my own, not through a specific store). More open collaboration among developers."

"Ability to distribute apps with more flexibility - i.e. free trial periods before purchase, cross promotion via TrialPay, lower transaction fees, more advertising to purchase process analytics."

"Fewer hoops to jump through to get an app distributed. More channels to distribute through. Familiar language (.NET) to develop on."

Better for business applications

"Better development environment, more advanced language and framework for business applications."

Reasons for dissatisfaction...

Poor API

"API set is incomplete - too scattered and not enough concise information. Marketplace not well supported"

"Horrible APIs"

No marketplace

"Application distribution is a huge pain compared to the simplicity of the App Store."

Generally dislike Windows

"General failure to keep up with the state of the art in mobile application development."

"General lack of a standard platform. Lots of work to make basic features work. Lack of innovation (although this may change with V7)"

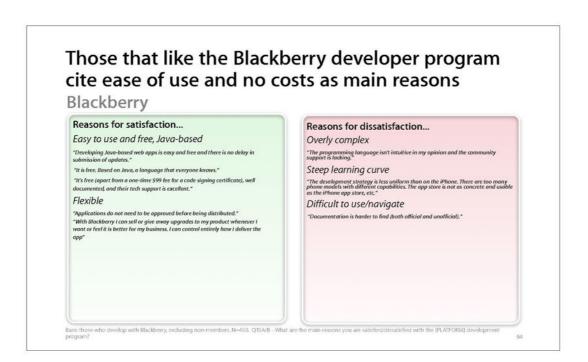
"Lock of developer support primarily. Development information is sparse and disjointed. The change in Windows Mobile platforms makes it hard to support all of the iterations and permutations consistently."

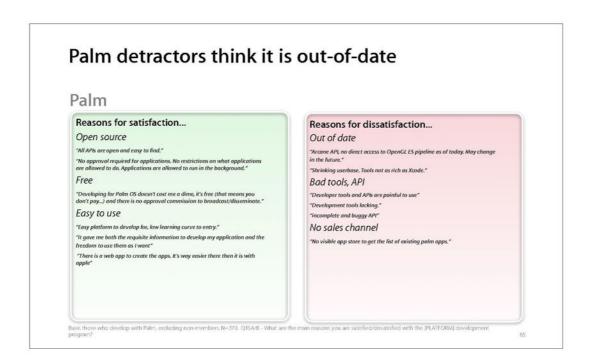
"Microsoft's lack of interest in application development on the platform. Poor hardware."

Base, those who develop with Windows, excluding non-members, N=1161. Q15A/B - What are the main reasons you are satisfied/dissatisfied with the [PLATFORM] development

63

DX-3877.063







The majority of developers have started developing apps

Most US developers have had at least one app approved; only about half of non-US developers have

DX-3877.067



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		US		UK		FR		GE		JP
N=	With Apps	No Apps 764	With Apps	No Apps 476	With Apps	No Apps 217	With Apps	No Apps 435	With Apps	No Apps
Had an app approved	100%†	0%	100%†	0%	100%†	0%	100%†	0%	100%†	0%
Submitted an app for approval	99% †	6%	99% †	5%	99% †	6%	99% †	2%	99%†	4%
Started developing apps	99% †	93%	99% 1	93%	95%	96%	98% 1	95%	99% t	92%
Created a dev profile	98% *	74%	97% *	80%	97% †	85%	97% *	80%	96%↑	79%
Created a dev certificate	98% *	75%	98% †	82%	97% †	89%	99% ↑	84%	96% t	80%
Created a distribution certificate/profile	97% †	35%	97% †	32%	98% †	37%	97% †	34%	92% †	18%
Tested apps	97% 1	71%	97% 1	72%	92% †	78%	98% *	81%	98% †	74%
Used ad hoc distribution	58% *	21%	56% +	20%	56% †	23%	63% +	24%	22% †	3%
Used in-house distribution	17% †	8%	16% †	7%	29% †	12%	25% †	11%	10% †	3%
None of these	0%	6%	0%	6%	0%	2%	0%	3%	0%	5%

The most common reason for not submitting an app for approval is that it takes a long time to become familiar with Objective-C, Xcode, Interface Builder and Instruments

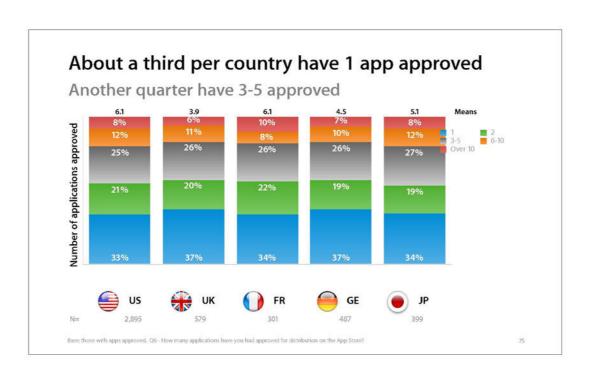
Two-thirds of US/UK developers feel it takes a long time to become familiar with Objective-C

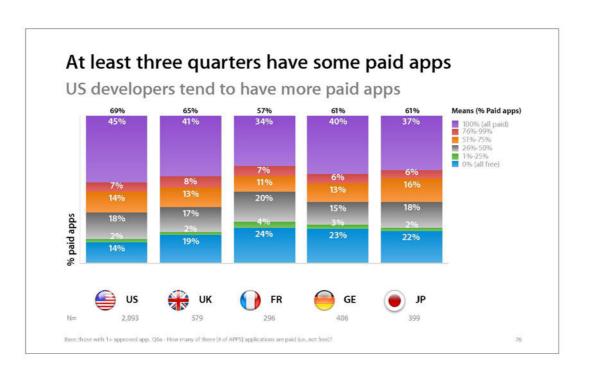
	e us	WK UK	FR	GE	JP
N=	No Apps 503	No Apps 328	No Apps 139	No Apps 293	No Apps 440
Becoming familiar w/Objective-C	63%	63%	49%	43%	58%
Becoming familiar w/Xcode	46%	41%	24%	24%	48%
Becoming familiar w/Interface Builder	35%	32%	29%	15%	36%
Becoming familiar w/Instruments	25%	26%	18%	14%	12%
Difficulty creating/managing provisioning profiles	19%	16%	24%	19%	33%
Haven't found what I needed in the Sample Code	16%	9%	25%	13%	23%
Becoming familiar w/iPhone Simulator	15%	12%	4%	1%	13%
Haven't found what I needed in iPhone Reference Library	14%	9%	15%	11%	15%
Haven't found what I needed in Getting Started Videos	13%	11%	19%	16%	9%
Difficulty w/security and permissions	8%	5%	17%	7%	12%
Difficulty creating all needed metadata	6%	3%	15%	7%	15%
Problems w/compilation process	4%	3%	7%	5%	12%

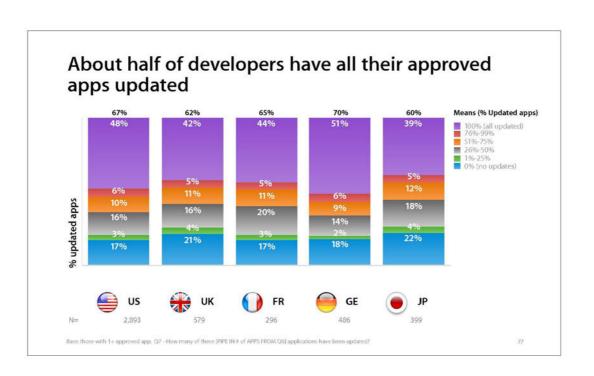
Interestingly, most developers with apps submitted but not approved either submitted them in the last week, or 8+ weeks ago

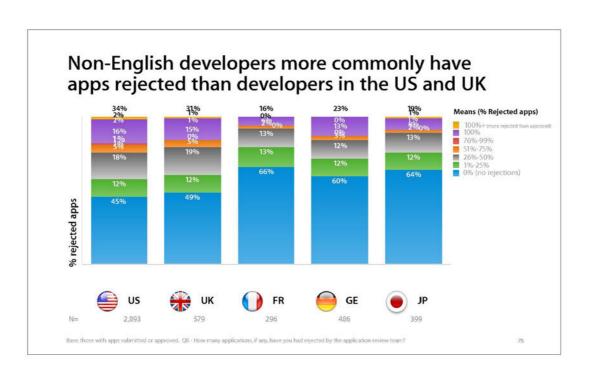
	it devel	obeis w	ith app	s not ap	proved
submitte	d them	in the l	ast wee	k	
	■ US	 ик	FR	GE	JP
N=	No Apps 46*	No Apps 26*	No Apps	No Apps 9*	No Apps
Within the last week	28%	50%	29%	33%	43%
Within the last 2 weeks	9%	12%	7%	0%	17%
Within the last 3 weeks	0%	4%	0%	11%	4%
Within the last 4 weeks	11%	0%	7%	0%	0%
Within the last 5 weeks	0%	0%	7%	0%	0%
Within the last 6 weeks	4%	0%	7%	0%	0%
Within the last 7 weeks	2%	0%	0%	0%	4%
8 or more weeks	46%	35%	43%	56%	30%

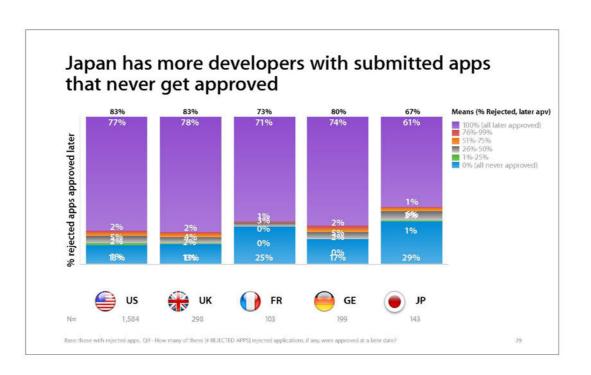
Developers in the US are slightly more likely to have only paid apps, and less likely to have rejected apps











Half of developers have been developing for the iPhone for a year or more

Most work independently

Developers promote their apps on their own websites, on blogs, or w/social network ads UK FR GE JP With Apps With Apps

N=	With Apps 2895	With Apps 579	With Apps 301	With Apps 487	With Apps 399
Promoted on my/our own website	68%	70%	66%	67%	46%
Blogging	44%	50%	50%	36%	50%
Advertising through social networks	41%	41%	45%	40%	31%
Viral marketing	36%	34%	31%	38%	2%
Promoting through participation in online user forums	32%	36%	36%	34%	13%
PR outreach efforts	30%	29%	32%	31%	12%
Search-engine related advertising	21%	19%	12%	14%	11%
Banner ads/links on web versions of your/your company's apps	19%	21%	22%	16%	17%
Banner ads on iPhone apps you/your company develops	18%	16%	20%	13%	20%

	incly	to proi	note th	en app	/3 OII						
TV or on the	V or on the radio										
	us	₩ UK	FR	GE	JP						
N=	With Apps 2895	With Apps 579	With Apps 301	With Apps 487	With Apps 399						
Online banner ads	16%	15%	15%	17%	7%						
Banner ads on third-party iPhone applications	11%	8%	10%	8%	9%						
Promoted through magazine ads	5%	6%	8%	9%	7%						
Promoted through Newspaper ads	2%	3%	8%	4%	2%						
Promoted through outdoor advertising	2%	2%	5%	2%	2%						
Promoted through Radio ads	1%	2%	4%	1%	1%						
Promoted through TV ads	1%	2%	4%	2%	2%						
Other	11%	10%	7%	8%	10%						
None of the above	13%	13%	12%	14%	16%						

Though most have been developing for Mac for less than 3 years, some are in the 10+ range

		US	V	UK		FR		GE		JP
N=	With Apps 2895	No Apps 764	With Apps 579	No Apps 476	With Apps 301	No Apps 217	With Apps 487	No Apps 435	With Apps 399	No Apps 517
Less than one year	23%	43%†	31%	48%†	33%	50%†	20%	38%†	34%	44%
1 to less than 2 years	33% †	21%	38% †	23%	33% †	18%	33% †	21%	31% †	24%
2 to less than 3 years	13% †	7%	12% †	7%	12% †	6%	14%	11%	7%	7%
3 to less than 4 years	4%	4%	4%	4%	5%	3%	6%	5%	3%	2%
4 to less than 5 years	3%	4%	3%	2%	3%	4%	4%	5%	3%	2%
5 to less than 6 years	2%	2%	1%	2%	2%	2%	4% †	2%	3%	2%
6 to less than 7 years	1%	1%	1%	1%	0%	1%	1%	1%	1%	0%
7 to less than 8 years	1%	1%	0%	0%	1%	0%	1%	1%	1%	1%
8 to less than 9 years	1%	0%	0%	0%	1%	1%	1%	2%	1%	0%
9 to less than 10 years	1%	1%	1%	1%	1%	0%	1%	1%	1%	1%
10 years or more	17%	15%	8%	13%†	10%	15%	13%	13%	16%	17%

tav 1126au	•	About half with apps have been developing									
ior ipnor	ie to	ie for a year or more									
		US		UK		FR		GE		JP	
N=	With Apps 2895	No Apps 764	With Apps 579	No Apps 476	With Apps 301	No Apps 217	With Apps 487	No Apps 435	With Apps 399	No Apps 517	
Less than 1 month	1%	9% †	1%	9% †	4%	9% †	2%	6% †	4%	16%	
1 to less than 3 months	3%	15%†	4%	15% †	4%	13% †	3%	15%†	10%	26%	
3 to less than 6 months	7%	19%↑	8%	20% †	8%	19%†	9%	17% †	18%	18%	
6 to less than 9 months	12%	16 %†	16%	19%	14%	13%	9%	14% †	15% †	10%	
9 to less than 12 months	18%	20%	20%	17%	17%	17%	16%	17%	14% †	9%	
1 year or more	59%↑	21%	52%↑	20%	52%*	29%	60%†	31%	39% *	20%	

Most work independently or for companies with 2-5 employees GE With Apps No Apps One (I work independently) 59% 60% 57% 63% 59% 65% 57% 59% 48% 44% 2-5 employees 27% 18% 26% 1 16% 17% t 10% 20% 18% 20% 1 13% 6% 6% 5% 5% 5% 5% 1 3% 5% 5% 3% 4% 4% 4% 7% 4% 5% 3% 7% 8% 2% 2% 4% 6% 1% 2% 1 1% 2% 1% 2% 2% 5% 4% 3% 1% 4% 1 3% 3% 3% 3% 4% 8% 1 2% 1% 1% 0% 1% 0% 2% 0% 1% 1% 1% 7% 1 1,001 to 10,000 3% 1 3% 2% 4% 1% 3% 2% 1% 3%1 1% 3%↑ 2% 3% 1% 3%1 2% 3% Base: all respondents. Q36 - How many people does your company employ worldwide (including yourself)?

					as in	uep	end	CIIC		
software	dev	elo _l	pers							
		US	*	UK	0	FR		GE		JP
N=	With Apps 2895	No Apps 764	With Apps 579	No Apps 476	With Apps 301	No Apps 217	With Apps 487	No Apps 435	With Apps 399	No Apps 517
One (I work independently)	63%	70%↑	62%	69% †	57%	68% †	59%	63%	55%	62%
2-5	31% †	22%	30%†	23%	33%↑	22%	31%	30%	33%†	25%
6-10	3%	4%	4%	4%	6%	6%	5% †	3%	6%	3%
11-25	2%	2%	3%	1%	3%	3%	3%	3%	3%	5%
26-50	0%	1%	1%	1%	0%	0%	1%	0%	2%	1%
51-100	0%	0%	1%	0%	0%	0%	0%	0%	1%	1%
Over 100	0%	0%	1%	2%	1%	0%	0%	2%	1%	2%

developr	men	t ind	den	and	ently					e	
acvelopi	-		аср.	ciia	circi,	y	0				
		US	V	UK	()	FR		GE		JP	
N=	With Apps 2895	No Apps 764	With Apps 579	No Apps 476	With Apps 301	No Apps 217	With Apps 487	No Apps 435	With Apps 399	No Apps	
I do SW dev by-for myself, not my primary source of income	47%†	40%	41%	38%	38%	38%	39%	42%	46%†	38%	
l do SW dev by-for myself, is my primary source of income	20%†	11%	19%†	11%	14%†	8%	20%†	13%	15% ↑	6%	
I do SW dev for my full- time employer	12%	15%†	16%	18%	20%	16%	20%	18%	15% †	9%	
l do contract SW dev work for others	11%	11%	12%	9%	11%	11%	6%	5%	4%	4%	
I am a hobbyist	10%	22%†	12%	24%†	16%	27%†	15%	23%†	20%	42%	

Key Conclusions

- · Most developers are generally satisfied with iDP, but roughly a fifth to one-quarter are dissatisfied
 - Non-English speaking countries (especially Japan) and those with no approved apps are slightly less satisfied with iDP
- · App visibility in the App Store is the area of most dissatisfaction
- Some specific complaints include: "too general" categories, search problems, and allowing too many "spam" apps in the store
- The App review process is also problematic for many, and it is the biggest deterrent for successfully developing and distributing iPhone/ iPod Touch applications
- Developers complain roughly equally about the time it takes to hear back from the app review team, unclear criteria for rejection and lack of responsiveness

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Key Conclusions

- · While most developers were satisfied with the rest of the aspects of the iDP, other common complaints include (in decreasing order of mentions):
- Many developers would like Apple to eliminate the store-specific purchase quotas (\$150), and simplify financials reporting in the website
- Those dissatisfied with the application submission process find the legal requirements and documentation too daunting, confusing or time-consuming
- Some have difficulty creating certificates and profiles
- Although members are generally satisfied with the development resources on the website, many are clamoring for more sample code -- and more relevant sample code-- that is more easily searchable (and integrated with the iPhone reference library)
- Overall satisfaction with the enrollment process is generally high, but some didn't think the fee was
 recurring and others complained about the time it took
- Beginner developers find the SDK too complex, and many want integration across the SDK tools

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Key Conclusions

- · A quarter of iPhone developers also develop for Android, and are generally satisfied with the experience
- They value how Android makes it easy to develop, test and distribute, and they like the robust API.
 Some find the range of devices, and the platform itself, a bit chaotic, however.
- · Developers highly value WMDC for its documentation, but dislike their store and Windows in general
- · Developers feel that the Blackberry mobile community and the app store lacks support and clear documentation

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